CHEMICAL GEOLOGY

Official Journal of the European Association for Geochemistry

Special Issue

**Pan-American Conference on Research on Fluid Inclusions,
Madison WI, USA, 30 May - 1 June 1996**

Guest Editors

Dr. P.E. Brown
University of Wisconsin
Dept. of Geology & Geophysics
Lewis G. Weeks Hall, 1215 W. Dayton St.
Madison, WI 53706 - 1692
USA

Dr. Steffen G. Hagemann
University of Western Australia
Centre for Strategic Mineral Deposits
Dept. of Geology and Geophysics
Nedlands, Perth, WA, 6907
Australia

CONTENTS

Preface xi

Multiple fluid generations in the Sudbury igneous complex: fluid inclusion, Ar, O, H, Rb and Sr evidence
D. Marshall, D. Watkinson, C. Farrow, F. Molnár and A.-M. Fouillac 1
Fluid regime and ore formation in the tungsten(–yttrium) deposits of Kyzyltau (Mongolian Altai): evidence for fluid variability in tungsten–tin ore systems
T. Graupner, U. Kempe, E. Dombon, O. Pätzold, O. Leeder and E.T.C. Spooner 21
Integrated cation–anion/volatile fluid inclusion analysis by gas and ion chromatography; methodology and examples
D.M. DeR. Channer, C.J. Bray and E.T.C. Spooner 59
Fluid inclusions in mantle and lower crustal xenoliths from the Simcoe volcanic field, Washington
I.E. Ertan and W.P. Leeman 83
A new technique for surface and shallow subsurface paleobarometry using fluid inclusions: an example from the Upper Ordovician Viola Formation, Kansas, USA
K.D. Newell and R.H. Goldstein 97
Permian paleoclimate data from fluid inclusions in halite
K.C. Benison and R.H. Goldstein 113

CONTENTS *(continued)*

Fluid evolution and chemical controls in the Fazenda Maria Preta (FMP) gold deposit, Rio Itapicuru Greenstone Belt, Bahia, Brazil
R.P. Xavier and R.P. Foster 133
Fluid inclusion studies of the Chinkuashih high-sulfidation gold–copper deposits in Taiwan
Y. Wang, M. Sasaki, M. Sasada and C.-H. Chen 155
Possibilities and limits of infrared light microthermometry applied to studies of pyrite-hosted fluid inclusions
V. Lüders and M. Ziemann 169
Detailed determination of palaeofluid chemistry: an integrated study of sulphate-volatile rich brines and aquo-carbonic fluids in quartz veins from Ouro Fino (Brazil)
M.-C. Boiron, A. Moissette, M. Cathelineau, D. Banks, C. Monnin and J. Dubessy 179
Retrograde evolution of eclogite facies rocks from NE Oman: evidence from fluid inclusions and petrological data
A.K. El-Shazly and V.B. Sisson 193
Adaptation of the Bowers and Helgeson (1983) equation of state to the H_2O–CO_2–CH_4–N_2–NaCl system
R.J. Bakker 225
Boiling and fluid mixing in the chlorite zone of the Larderello geothermal system
G. Ruggieri, M. Cathelineau, M.-C. Boiron and C. Marignac 237
Interpretation of post-entrapment fluid-inclusion re-equilibration at the Three Mile Hill, Marvel Loch and Griffins Find high-temperature lode-gold deposits, Yilgarn Craton, Western Australia
J. Ridley and S.G. Hagemann 257
Fluid-inclusion characteristics of hydrothermal Cu–Ni–PGE veins in granitic and metavolcanic rocks at the contact of the Little Stobie deposit, Sudbury, Canada
F. Molnár, D.H. Watkinson and J.O. Everest 279

This journal is part of **ContentsDirect**, the ***free*** alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. The quickest way to register for **ContentsDirect** is via the World Wide Web at: **www.elsevier.nl/locate/ContentsDirect**
If you don't have access to the WWW you can register for this service by sending an e-mail message to cdsubs@elsevier.co.uk specifying the title of the publication you wish to register for.
The tables of contents are also available on the Elsevier Science website at: www.elsevier.nl or www.elsevier.com or www.elsevier.co.jp